

WHAT I CLAIM MY INVENTION IS:

- [33] 1. A windshield heating air appliance made from a transparent plastic or other transparent materials; said windshield heating air appliance is attached to said windshield surface through said top, left, right and bottom T edges, and said dashboard support edge is designed to attached to said dashboard; said T edge is 1.5 inches tall and 1.0 inches wide, and said dashboard support edge is 0.8 inches wide; said windshield heating air appliance together with said windshield and said dashboard, complete the assembly referred as "controlled heating air space" where said temperature can be quickly heated up and maintained by said hot air supply from said dashboard air vents.
- [34] 2. Said windshield heating air appliance in accordance with claim 1 eliminates the moisture contacting said automobile windshield, and heated "controlled heating air space" in accordance with claim 1 prevents fogging of said heated windshield heating air appliance; therefore, protects the driver visibility in a wet or cold climate.
- [35] 3. Said "controlled heating air space" in accordance with claim 1 consumes less than 5% of said automobile interior space; to melt the ice on said automobile windshield requires heating only said "controlled heating air space" instead of heating said entire automobile interior space, thus significantly increases the heating efficiency, speeds up ice melting, saves energy and reduces pollution.
- [36] 4. A windshield sunglass device contains a rotatable core, said rotatable core is portable, and contains a roll of plastic windshield sunglass, said plastic windshield sunglass has a hard handle attached at the end; to use said plastic windshield sunglass, said hard handle needs to be pull out and locked into handle holders attached on an automobile windshield heating air appliance; to put away said plastic windshield sunglass, release said hard handle from said handle holders, said plastic windshield sunglass will be automatically rotated back into said rotatable core; said automobile windshield heating air appliance is equipped with sunglass devices.

[37] 5. Another simpler plastic windshield sunglass has a series holes spreading on its edges, and said related automobile windshield heating air appliance has corresponding hollow columns that are used as mounts for said plastic windshield sunglasses.